

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	Div of 10/025,846
Filing Date	herewith
First Named Inventor	Scott
Art Unit	3744
Examiner Name	Jones
Attorney Docket Number	47621-17

Sheet 1 of 1

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5040381	08 20 1991	Hazen	
		US- 5419780	05 30 1995	Suski	
		US- 6166907	12 26 2000	Chien	
		US- 6213194	04 10 2001	Chrysler et al	
		US- 5947192	09 07 1999	Kuo	
		US- 5823005	10 20 1998	Alexander et al	
		US- 5365749	11 22 1994	Porter	
		US- 6407916	06 18 2002	Konstad	
		US- 5285347	02 08 1994	Fox et al	
		US- 5457342	10 10 1995	Herbst, II	
		US- 5126919	06 30 1992	Yamamoto	copy in parent appln
		US- 4712158	12 08 1987	Kikuchi et al	copy in parent appln
		US- 5,263251	11 23 1993	Matthews	copy in parent appln
		US- 6138352	10 31 2000	Smith et al	
		US- 6341490	01 29 2002	Jones	
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND**

TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

control number			
Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	101025,846
		Filing Date	December 26, 2001
		First Named Inventor	SCOTT, Alexander
		Art Unit	3743
		Examiner Name	unknown
		Attorney Docket Number	47621-3
Sheet	1	of	4

remains
filed in
parent

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code*2 (if known)			
		US-3,524,497	Aug-18-1970	R.C. Chu et al.	
		US-4,729,424	Mar-8-1988	Mizuno et al.	
		US-5,123,478	Jun-23-1992	Hosaka	
		US-5,285,347	Feb-8-1994	Fox et al.	
		US-5,323,847	Jun-28-1994	Koizumi et al.	
		US-5,394,936	Mar-7-1995	Budelman	
		US-5,482,113	Jan-9-1996	Agonafer et al.	
		US-5,606,341	Feb-25-1997	Aguilera	
		US-5,646,824	Jul-8-1997	Onashi et al.	
		US-5,731,951	Mar-24-1998	Cheon	
		US-5,757,615	May-26-1998	Donahoe et al.	
		US-5,829,516	Nov-3-1998	Lovachkin	
		US-5,859,763	Jan-12-1999	Nam et al.	
		US-5,918,469	Jul-6-1999	Cardella	
		US-6,154,363	Nov-28-2000	Chang	
		US-6,161,612	Dec-19-2000	Stäht et al.	
		US-6,166,907	Dec-26-2000	Chien	
		US-6,182,742	Feb-6-2001	Takahashi et al.	
		US-6,196,003	Mar-6-2001	Macias et al.	
		US-			

[illegible]

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	4
-------	---	----	---

C mplete if Kn wn

Application Number	10/025,846
Filing Date	December 26, 2001
First Named Inventor	SCOTT, Alexander
Art Unit	3743
Examiner Name	unknown
Attorney Docket Number	47621-3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. 1	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number- Kind Code ² (if known)	MM-DD-YYYY		
		US-6,226,178	May-1-2001	Broder et al.	
		US-4,037,270	July-19-1977	Ahmann et al.	
		US-4,093,971	Jun-6-1978	Chu et al.	
		US-4,253,515	Mar-3-1981	Swiatosz	
		US-4,512,161	Apr-23-1985	Logan et al.	
		US-5,959,837	Sep-28-1999	Yu	
		US-6,184,580	Feb-6-2001	Lin	
		US-6,125,036	Sep-26-2000	Kang et al.	
		US-6,029,742	Feb-29-2000	Burward-Hoy	
		US-5,909,056	Jun-1-1999	Mertol	
		US-5,699,227	Dec-16-1997	Kolman et al.	
		US-5,596,228	Jan-21-1997	Anderton et al.	
		US-5,251,095	Oct-5-1993	Miller et al.	
		US-5,286,580	Jun-1-1993	Davidson et al.	
		US-5,144,531	Sep-1-1992	Go et al.	
		US-5,028,988	Jul-2-1991	Porter et al.	
		US-4,791,983	Dec-20-1988	Nicol et al.	
		US-4,639,829	Jan-27-1987	Ostergren et al.	
		US-3,481,393	Dec-2-1969	Richard C. Chu	
		US-			

FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/025,846
		Filing Date	December 26, 2001
		First Named Inventor	SCOTT Alexander
		Group Art Unit	3743
		Examiner Name	Unknown
		Attorney Docket Number	47621-3
Sheet	2	of	4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
		Tom's Hardware Guide: CPU Guide - A Home Grown Water Cooler for 115 Dollars http://www.tomshardware.com/cpu/01q2/010528/index.html Modine Electronics Cooling http://www.modine.com/markets/m-ecoolinghtml.html http://www.swiftnets.com/Store/watercooling.htm How to Build your Own Cross Drilled Copper Waterblock http://www.overclockers.com/tips.206/ MCW2000 assembly instructions - Active Liquid Cooler http://www.swiftnets.com/mcw2000Manual.htm Blizzard Water Cooler Installation Instructions http://www.overclockershideout.com/instru.html ACDC Cool-Whip™ Liquid Kolesystem http://www.acdc.dk/products/coolwhip/coolwlig/clwliguk.htm MCW370 Major Product Upgrade: MCW371™ Active Liquid Cooler http://www.swiftnets.com/mcw370.htm Tweaktown - Waterblock Roundup http://www.tweaktown.com/reviews/waterblockroundup Melcor - Liquid Heat Exchangers http://www.melcor.com/liquid.htm R-Theta http://www.r-theta.com/products/aquasink/aquasink.pdf

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/025,846
		Filing Date	December 26, 2001
		First Named Inventor	SCOTT, Alexander
		Group Art Unit	3743
		Examiner Name	Unknown
		Attorney Docket Number	47621-3
Sheet	4	of	4

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Thermacore International - Heat Pipe Technology http://www.thermacore.com/hpt-fags.htm	
		Thermacore International Inc., Global Leader in Thermal Management http://www.thermacore.com/thermabae.htm	
		Intel - Pentium® III Processor for the SC 242 at 450 MHz to 1.13 GHz	
		MCW 462 Water Block http://www.swiftnets.com/mcw462.htm	
		Socket sealing - Eliminating Condensation in Socket Mother Boards and Adapters http://www.swiftnets.com/socketsealing.htm	
		Swiftech MCW 462 Waterblock http://www.overclockers.com/articles/300/	
		MCW370 - Major Product Upgrades: MCW371 Active Liquid Cooler http://www.swiftnets.com/mcw370.htm	
		Overclockers Hideout TM http://www.overclockershideout.com/instructions6toH.html	
		Water Cooling http://www.wysingy.com/14/http://www.overclockers.com/topicdist/index31.asp	

Examiner Signature	Date Considered
-----------------------	--------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.